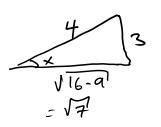
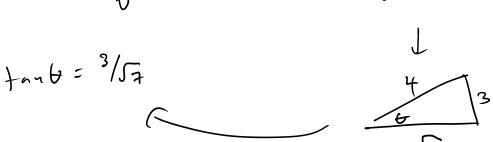
all D's today are "right of anyles" (hetneen of 17/2)

Sinx=3 what is tan x = 3/52 what is &cx = 4/sa



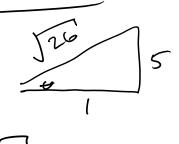
tan (arcsin 3/4)



what is tan (arcsin 3) if sin t = 3, what is tan (to)

sec (arctan 5) =

tant=5, what is suct



\\\ \langle \l $| -\sin u = \cos^2 u$ $| -\cos^2 u = \sin^2 u$ $| -\cos^2 u = \sin^2 u$ (N=orccosx). > - (sin uda

Sin2 u+ cos2 n = 1 sin n= 1-cos2n cos2 v = 1+cas24

 $-\left(\left(\frac{1}{2}-\frac{1}{2}\cos 2n\right)dn\right)$ $=-\frac{1}{2}u+\frac{1}{7}\left(\cos 2u\,du\right)$ - 2 u + 1 sin 2u + C - \fraccos x + \frac{1}{4} \sin(2(\arccos x)) +C

sin 2x = 2sinxcosx

-1 arccos x + 1 2 sin(arccosx) cos(arccosx)+(- Larccos x + = sin(arccosx) x + C

$$= -\frac{1}{2} \operatorname{arcces} \times + \frac{1}{2} \sqrt{1-x^2} \times + C$$

 $sin^{2}u + cos^{2}u = 1$ $1 - cos^{2}u = sin^{2}u$ $1 - sin^{2}u = cos^{2}u$ $sin^{2}u + 1 = \frac{1}{cos^{2}u}$ $tan^{2}u + 1 = sic^{2}u$ $tan^{2}u + 1 = sic^{2}u$

 $= \int \frac{1}{y_{1}(u)} du = \int \cos u du = \sin u + C$ $\int \frac{1}{y_{1}(u)} du = \int \cos u du = \sin u + C$

 $\sqrt{x^2-1}$

$$= \frac{1}{x^{2}-1} + C$$

$$= \sqrt{x^{2}-1}$$

$$= \sqrt{1-x^{2}}$$

$$=\frac{1}{4}\left[V\right]_{0}^{\pi/4}=\frac{\pi}{6}.$$

$$e^{x} = [+x + \frac{1}{2}x^{2} + \frac{1}{6}x^{3} + \frac{1}{24}x^{4} + -$$

$$= [+x + \frac{1}{2}x^{2} + \frac{1}{6}x^{3} + \frac{1}{24}x^{4} + -$$

$$= [+x + \frac{1}{2}x^{2} + \frac{1}{3\cdot2\cdot1}x^{3} + \frac{1}{4\cdot3\cdot2\cdot1}x^{4} + -$$

$$e^{x} = a_{0} + a_{1}x + a_{2}x^{2} + ...$$
 $a_{6} = e^{0} = 1$

$$(e^{x})^{1} = a_{1} + 2a_{2}x + 3a_{3}x^{2} + ...$$

$$\frac{e^{i\theta} - e^{-i\theta}}{2} = i\sin\theta$$

$$e^{i\theta} = \cos\theta + i\sin\theta$$

$$\frac{e^{i\theta} - i\theta}{2} = \cos\theta$$

$$e^{i\theta} = -i\theta$$

$$e^{i\theta} = -i\theta$$

$$e^{i\theta} = -i\theta$$

$$e^{i\theta} = \cos \theta + i\sin \theta$$

$$e^{i\theta} = e^{i\theta} = e^{i\theta}$$

$$e^{i\theta} = e^{i\theta}$$